



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 21, 2015

Sydney Jarrett  
Regulatory Affairs Specialist  
Syngenta Seeds, Inc. – Field Crops - NAFTA  
P.O. Box 12257, 3054 East Cornwallis Road  
Research Triangle Park, NC 27709

Subject: Non-PRIA (Pesticide Registration Improvement Act) Amendment – to extend the registration expiration date five years, amend the label ingredient statement and delete alternate brand names  
Product Name: Bt11 Insect-Resistant Corn  
EPA Registration Number: 67979-1  
Application Date: July 17, 2015  
OPP Decision Number: 507374

Dear Ms. Jarrett:

The registration expiration date of this product, unconditionally registered in accordance with FIFRA section 3(c)(5), is extended to September 30, 2020 provided that you continue to comply with the existing terms and conditions set forth in the amendment approval letter dated May 9, 2014.

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

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EPA Reg. No. 67979-1

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Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Ann Sibold of my team by phone at (703) 305-6502 or via email at [sibold.ann@epa.gov](mailto:sibold.ann@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Reynolds', with a long horizontal flourish extending to the right.

Alan Reynolds, Team Leader  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

09/21/2015

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 67979-1

**Plant-incorporated Protectant Label**

**Bt11 Insect-Resistant Corn**

OECD Unique Identifier: SYN-BTØ11-1

This product is effective in limiting corn leaf, stalk, and ear damage caused by corn borers and certain other lepidopteran pests.

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**Active Ingredient:**

*Bacillus thuringiensis* Cry1Ab protein and the genetic material necessary for its production (via elements of vector pZO1502) in Bt11 corn (SYN-BTØ11-1) ..... ≤0.0028%\*

**Inert Ingredient:**

Phosphinothricin acetyltransferase protein and the genetic material necessary for its production (via elements of vector pZO1502) in Bt11 corn (SYN-BTØ11-1) ..... ≤ 0.00002%\*

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\*Percentage on a dry weight basis from the highest concentration measure in individual plant tissues.

**Keep Out of the Reach of Children**

**CAUTION**

EPA Reg. No. 67979-1  
EPA Est. No. 67979-IA-002

Syngenta Seeds, Inc. – Field Crops - NAFTA  
P.O. Box 12257  
3054 East Cornwallis Road  
Research Triangle Park, NC 27709

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**Directions for Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

The subject registration will automatically expire September 30, 2020.

This plant-incorporated protectant may be combined through conventional breeding with other registered plant-incorporated protectants that are similarly approved for use in combination, through conventional breeding, with other plant-incorporated protectants to produce inbred corn lines and hybrid corn varieties with combined pesticidal traits.

All commercial seed corn seed that contains Bt11 that is sold by Syngenta Seeds or its distributors must be accompanied by informational material (e.g. bag tag) indicating the EPA registration number and the active ingredients, and stipulating that growers read the product Insect Resistance Management (IRM) Stewardship Guide (or equivalent guidance) prior to planting the seed. The refuge size and requirement must be displayed on the seed bag or bag tag in both text and graphic format as shown below.

**Important grower information.  
This hybrid requires you to plant:**



**For more information please refer  
to the Syngenta Stewardship Guide.**

### **Insects Controlled or Suppressed**

Corn has been genetically modified to produce a *Bacillus thuringiensis* Cry1Ab delta-endotoxin protein for control or suppression of:

European corn borer	( <i>Ostrinia nubilalis</i> )
Southwestern corn borer	( <i>Diatraea grandiosella</i> )
Southern cornstalk borer	( <i>Diatraea crambidoides</i> )
Corn earworm	( <i>Helicoverpa zea</i> )
Fall armyworm	( <i>Spodoptera frugiperda</i> )
Sugarcane borer	( <i>Diatraea saccharalis</i> )
Common stalk borer	( <i>Papaipema nebris</i> )
Lesser cornstalk borer	( <i>Elasmopalpus lignosellus</i> )

### **Insect Resistance Management**

An IRM Stewardship Guide (or equivalent guidance) must be distributed to all customers using seed containing the plant incorporated-protectant. The IRM Stewardship Guide will include instructions and recommendations regarding product use, insect resistance management, and integrated pest management. The following information regarding refuge requirements for commercial production must be included in the IRM Stewardship Guide for the corn belt and cotton-growing areas.

These IRM requirements do not apply to breeding, research, propagation of inbred seed, or production of hybrid seed corn on up to a total of 20,000 acres per county and up to a combined U.S. total of 250,000 acres per plant-incorporated protectant active ingredient per registrant per year.

#### **Corn Belt (Noncotton-Growing Areas)**

For Bt11 field corn grown in the Corn Belt (noncotton-growing areas), growers must adhere to the following refuge requirements:

- Growers must plant a refuge of at least 20% non-Bt corn and/or non-lepidopteran-resistant Bt corn.

- The refuge can be planted as a block, strips within the field, perimeter around the field, adjacent or a separate block planted within ½ mile.
- A neighbor's field does not meet the refuge requirements.
- Strips, blocks, or perimeter refuges must be a minimum of 4 contiguous rows wide.
- Non-Bt foliar insecticide treatments for corn borer control may be applied only if economic thresholds are reached for one or more pests. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g. Extension service agents, crop consultants).
- The refuge should be planted with a hybrid that is agronomically similar to and managed similarly to the Bt11 corn.

### **Cotton-Growing Areas**

For Bt field corn grown in cotton-growing areas (defined below) growers must adhere to the following refuge requirements.

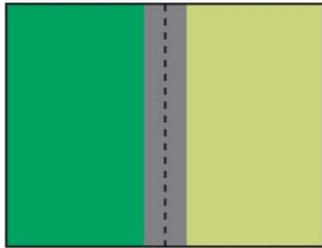
- Growers must plant a refuge of at least 50% non-Bt corn and/or non-lepidopteran-resistant Bt corn.
- The refuge can be planted as a block, strips within the field, perimeter around the field, adjacent or a separate block planted within ½ mile.
- A neighbor's field does not meet the refuge requirements.
- Strips, blocks, or perimeter refuges must be a minimum of 4 contiguous rows wide.
- Non-Bt foliar insecticide treatments for corn borer control may be applied only if economic thresholds are reached for one or more pests. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g. Extension service agents, crop consultants).
- The refuge should be planted with a hybrid that is agronomically similar to and managed similarly to the Bt11 corn.

The following table lists those states and counties identified by the Environmental Protection Agency (EPA) as cotton-growing areas.

<b>State</b>	<b>Counties Identified by EPA as Cotton-Growing Areas</b>			
Alabama	All Counties			
Arkansas	All Counties			
Florida	All Counties			
Georgia	All Counties			
Louisiana	All Counties			
Mississippi	All Counties			
Missouri	Dunklin Stoddard	New Madrid	Pemiscot	Scott
North Carolina	All Counties			
Oklahoma	Beckham Greer Kiowa	Caddo Harmon Tillman	Comanche Jackson Washita	Custer Kay
South Carolina	All Counties			
Tennessee	Carroll Fayette Hardin Lincoln Shelby	Chester Franklin Haywood Madison Tipton	Crockett Gibson Lake Obion	Dyer Hardeman Lauderdale Rutherford
Texas	All counties with the exception of the following:			
	Carson Hutchinson Roberts	Dallam Lipscomb Sherman	Hansford Moore	Hartley Ochiltree
Virginia	Dinwiddie Northampton Sussex	Franklin City Southampton	Greensville Suffolk City	Isle of Wight Surrey

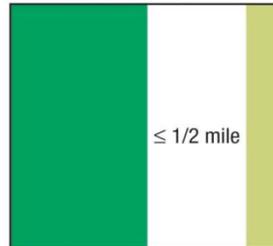
Schematics showing refuge deployment options:

### Adjacent



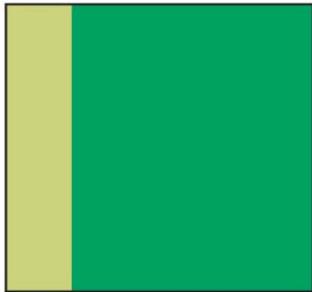
Can be separated by a road, path, ditch, etc., but not by another field.

### 1/2 Mile Option

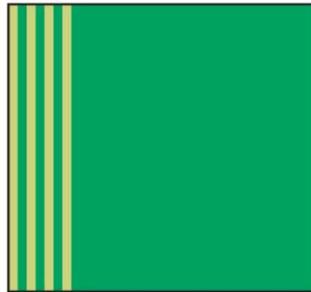


Corn Borer Refuge Option Only

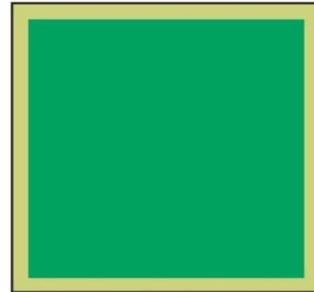
### Within



Block



Strips (Split Planter)



Perimeter